Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2018 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125637	0	1.74	125646	1.75
Blue	F	SSC	125000	125027	0	1.86	125623	1.86
Blue	E	FITC	15760	15390	-3	2.94	332	22.43
Blue	D	PE	25880	25370	-2	2.04	549	16.98
Blue	B	PerCP-Cy5-5	34075	34383	0	4.20	1046	22.20
Blue	A	PE-Cy7	22776	22735	-1	7.32	549	45.27
Red	C	APC	42488	41574	-3	2.65	1574	13.46
Red	A	APC-Cy7	24478	24252	-1	2.79	829	12.57
Violet	B	V450	6304	6120	-3	4.30	358	16.17
Violet	A	V500	26005	24959	-5	3.86	586	12.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20609	7.66	606	9	N/A	N/A	Pass
Blue	F	SSC	57316	1.35	573	18	N/A	N/A	Pass
Blue	E	FITC	58	77.66	561	5	0.0167	291	Pass
Blue	D	PE	114	57.86	555	6	0.1223	277	Pass
Blue	B	PerCP-Cy5-5	198	56.38	655	8	0.0080	146	Pass
Blue	A	PE-Cy7	106	111.20	706	9	0.0090	20	Pass
Red	C	APC	377	27.59	601	1	0.0191	81	Pass
Red	A	APC-Cy7	203	28.61	571	0	0.0053	1493	Pass
Violet	B	V450	60	72.99	490	1	0.0372	3221	Pass
Violet	A	V500	87	44.16	506	0	0.0135	967	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.04	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	16.13	13.60 - 20.40	N/A	N/A	30.88	31.53	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9690

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments